

Product datasheet for **MC207241**

Tspo (NM_009775) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tspo (NM_009775) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tspo
Synonyms:	Bzrp; IBP; PBR; Tspo1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_009775, the custom clone sequence may differ by one or more nucleotides

ATGCCTGAATCCTGGGTGCCTGCCGTGGGCCTCACTCTGGTGCCAGCCTGGGGGCTTCATGGGAGCCT
 ACTTTGTACGTGGCGAGGGCCTCCGGTGGTATGCTGGCTTGAGAAACCCTCTTGGCATCCGCCTCGCTG
 GACACTGGCTCCCATCTGGGGCACACTGTATTCAGCCATGGGGTATGGCTCCTACATAGTCTGAAAGAG
 CTGGGAGGTTTCACAGAGGACGCTATGGTTCCTTGGGTCTCTACACTGGTCAGCTGGCTCTGAAGTGG
 CGTGGCCCCCATCTTCTTTGGTGCCCGGCAGATGGGCTGGGCCTTGCCGATCTTCTGCTGTCACTGG
 GGTGGCGACTGCCACAACCCTGGCTTGGCACCGAGTGAGCCCGCCGGCTGCCGCTTGTGTACCTTAC
 CTGGCCTGGCTGGCTTTGCCACCGTGCTCAACTACTATGTATGGCGTGATAACTCTGGCCGGCAGGGG
 GCTCCCGCTCGCAGAGTGA

Restriction Sites:	SgfI-MluI
ACCN:	NM_009775
Insert Size:	510 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).


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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC002055](#), [AAH02055](#)

RefSeq Size: 825 bp

RefSeq ORF: 510 bp

Locus ID: 12257

UniProt ID: [P50637](#)

Cytogenetics: 15 39.4 cM

Gene Summary: Can bind protoporphyrin IX and may play a role in the transport of porphyrins and heme (By similarity). Was initially identified as peripheral-type benzodiazepine receptor; can also bind isoquinoline carboxamides. Promotes the transport of cholesterol across mitochondrial membranes and may play a role in lipid metabolism (PubMed:9832438, PubMed:24814875), but its precise physiological role is controversial. According to some reports, it is not required for steroid hormone biosynthesis (PubMed:24174323, PubMed:24936060).[UniProtKB/Swiss-Prot Function]